Bruhat Bengaluru
Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Modified Estimate for Construction of Stamp vendors building near Mini Vidhana soudha building in ward no-05 Yelahanka New Town sub division

Modified Cost RS :- 28.17 Lakh's

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Name of Work :- Modified Estimate for Construction of Stamp vendors building near Mini Vidhana soudha building in ward no-05 Yelahanka New Town sub division

S.No	Description of Item	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.2)								
	SSM Foundation:-	Cum							
	Long Walls		26	3.10	0.90	0.80	58.03		
	Short Walls		42	1.60	0.90	0.80	48.38		
							106.42	205.00	21815.28
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
	SSM Foundation:-	Cum							
	Long Walls		26	3.10	0.90	0.15	10.88		
	Short Walls		42	1.60	0.90	0.15	9.07		
	Shops flooring		21	2.70	2.10	0.12	14.29		
							34.24		
	A)Up to125% of quantity						**21.86**	5743.00	**125556.34**
	B)Above 125% of quantity						**12.38**	5737.95	**71029.00**
	Basic Rate	5554.00							
	Area Weightage 10%	555.40							
	Sub Total	6109.40							
	Tender premium(-6.08%)	-371.45							
	Total Rs	5737.95							
3	Providing and laying in position Plain cement concrete for levelling course for all works in foundation. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed laid in layers not exceeding 150mm thickness ,well compacted using needle vibrators, including all lead & lifts, cost of all materials of quality,labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. Mix 1:2:4(M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -1/ P No-17/ I no- 2.4.1)								
	Basement Coping Concrete:-	Cum							

	Long Walls		26	3.10	0.45	0.12	4.35		
	Short Walls		42	1.90	0.45	0.12	4.31		
	Shops flooring		21	2.70	2.10	0.15	17.86		
							26.52	6297.90	**167034.00**
	Basic Rate	6096.00							
	Area Weightage 10%	609.60							
	Sub Total	6705.60							
	Tender premium(-6.08%)	-407.70							
	Total Rs	6297.90							
4	Providing Size Stone Masanry with hard stone in foundation & plinth with cement mortor 1:6 (1 cement 6 coarse sand) (Vol 2/P No-9/I no.5.4 of PWD SR 2021-22)								
	SSM Foundation:-	Cum							
	Long Walls		26	3.10	0.55	0.90	39.90		
	Short Walls		42	1.90	0.55	0.90	39.50		
							79.40		
		A)Up to125% of quantity					**50.69**	5533.00	**280454.00**
		B)Above 125% of quantity					**28.71**	5529.26	**158748.00**
	Basic Rate	5352.00							
	Area Weightage 10%	535.20							
	Sub Total	5887.20							
	Tender premium(-6.08%)	-357.94							
	Total Rs	5529.26							
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. ((PWD SR 2021-22 Vol- 1 P.No -7 / I.No -1.9)								
		Cum							
	Earth Work Excavation	Quantity Vide Item No-01					**106.42**		
	(-)Deductions								
	PCC Concrete:-Long Walls		26	3.10	0.90	0.15	10.88		
	Short Walls		42	1.60	0.90	0.15	9.07		
	SSM Foundation:-								
	Long Walls		26	3.10	0.55	0.70	31.03		
	Short Walls		42	1.90	0.55	0.70	30.72		
							81.71		
							24.71	211.00	**5214.00**
6	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1A)								
		Cum							
	Earth Work Excavation	Quantity Vide Item No-01					106.42		
	(-)Deductions:-	Quantity Vide Item No-05					24.71		
							81.71	76.00	**6210.00**

7	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)								
	Qty frm Item No-6	t.Km		81.71		1.28	104.58		
							104.58	99.00	**10354.00**
8	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.4.3 of PWD SR 2021-22)								
	Plinth Beam	Cum	42	2.10	0.30	0.20	5.29		
			26	3.10	0.30	0.20	4.84		
							10.13	6692.00	**67777.00**
9	Providing and laying in position Reinforced cement concrete for all **Super structures of building,**Road works,water works, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)								
	Roof Slab:-								
	Shops (1 & 2)	Cum	1	3.90	4.80	0.15	2.81		
	Shops (3 to 5)		1	3.90	7.10	0.15	4.15		
	Shops (6 to 12)		1	3.90	16.30	0.15	9.54		
	Shops (13 to 19)		1	3.90	16.30	0.15	9.54		
	Shops (20 & 21)		1	3.90	4.80	0.15	2.81		
							28.84	7675.00	**221351.00**
10	Providing and laying in position Reinforced cement concrete for all **Super structures of building,**Road works,water works, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)								
	Tie Beam	Cum	42	2.10	0.20	0.30	5.29		
			26	3.10	0.20	0.30	4.84		
	Roof Projection Beams		14	0.80	0.20	0.30	0.67		
							10.80	7675.00	**82890.00**

11	Providing and laying in position Reinforced cement concrete for all **Super structures of building,**Road works,water works, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)								
	Lintel Beam	Cum	21	2.10	0.15	0.15	0.99		
			26	3.10	0.15	0.15	1.81		
							2.81	7675.00	**21534.00**
12	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol- 1 P.No. 84/I.No. 11.32 of PWD SR 2021-22 1st Corrigenda)								
		Kg's							
	Plinth Beam	Quantity Vide Item No-8					10.13		
		Steel 180 Kg/Cum					**1823.04**		
	Roof Slab	Quantity Vide Item No-9					28.84		
		Steel 140 Kg/Cum					**4037.67**		
	Beam	Quantity Vide Item No-10					10.80		
		Steel 150 Kg/Cum					**1620.00**		
	Lintel Beam	Quantity Vide Item No-11					2.81		
		Steel 110 Kg/Cum					**308.63**		
							7789.34	99.00	**771145.00**
13	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no-6.32 of PWD SR 2021-22)								
	Alround Main Walls	Sqm							
	Long Walls		42	2.10		2.70	238.14		
	Short Walls		10	3.10		2.70	83.70		
							321.84		
	Deduction								
	Rolling Shutter		21	1.80		2.70	102.06		
	V		21	0.75		0.60	9.45		
	Lintel		21	2.10		0.15	6.62		
			10	3.10		0.15	4.65		
							122.78		
							199.07	1236.00	**246044.00**

14	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no-6.33 of PWD SR 2021-22)								
	Partition walls	Sqm	16	2.70		2.70	116.64		
	(-)Deductions for Lintel		16	2.70		0.15	6.48		
							110.16	1102.34	**121434.00**
	Basic Rate	1067.00							
	Area Weightage 10%	106.70							
	Sub Total	1173.70							
	Tender premium(-6.08%)	-71.36							
	Total Rs	1102.34							
15	Concealed Conduit System Supplying heavy gauge PVC conduit pipe ……mm dia mm thick confirming toIS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick(PWD Electrical 2021-22 page no 1 item no 1.1.2)								
		Mtr	21	6.00			126.00		
							126.00	**65.74**	**8283.74**
	Basic Rate	70.00							
	Tender premium(-6.08%)	-4.26							
	Total Rs	65.74							
								Total RS	**238687.36**
							Add 18% of GST Charges RS		42963**7**.21
16	Miscellaneous and unforcean Charges	L/S							489.43
								Grand Total RS	**2817000.00**
(Rupees Twenty Eight Lakh Seventeen Thousand Only)									

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2021-2022, Data rates, issued rates and Corigenda 1&2.

Assistant Engineer
Ward No-05

Executive Engineer
Yelahanka Division
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division.
BBMP

Technical Sanction
Accorded For Rs. 28,17,000.00
Head of A/C. 3236
CER NO :....10..... Dt: 24/04/23